

Converting Colors

CIELCh(58, 83.764, 134.746)

Have a look what the booklet for
CIELCh(58, 83.764, 134.746)
contains.

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Color

CIELCh(58, 83.922, 134.801)

Conversions

Conversions Part 1

Format	Color
Hex	1CA200
RGB	28, 162, 0
RGB Percent	11%, 64%, 0%
CMY	0.8891, 0.3661, 1.0000
CMYK	0.83, 0.00, 1.00, 0.37
HSL	110°, 100%, 32%
HSV	110°, 100%, 63%
XYZ	13.3382, 25.9610, 4.2868
YIQ	103.4660, -27.8620, -78.7900

Conversions

Conversions Part 2

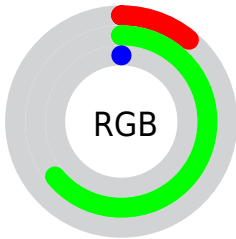
Format	Color
RYB	0, 162, 134
Decimal	1876480
CIELab	58.00, -59.14, 59.55
CIELCh	58, 83.922, 134.801
Yxy	25.9610, 0.3060, 0.5956
Android (android.graphics.Color)	4280066560 (0xFF1CA200)
YUV	103.4660, -51.0087, -66.1837
Hunter-Lab	50.9519, -42.4381, 30.6780

Details

The CIELCh color **58, 83.922, 134.801** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **33, 83.427, 321.658**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **78, 83.907, 134.857**, and **39, 64.053, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **58, 83.832, 134.844**, and if you desaturate by 10%, it is **58, 80.583, 134.736**.

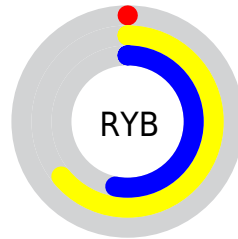
Distribution



Red (11%)

Green (64%)

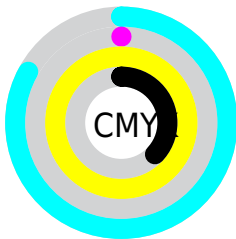
Blue (0%)



Red (0%)

Yellow (64%)

Blue (53%)

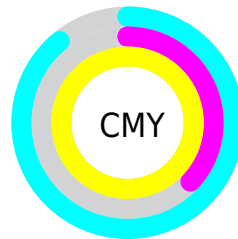


Cyan (83%)

Magenta (0%)

Yellow (100%)

Black (37%)



Cyan (89%)


Magenta (37%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 83.922, 134.801 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 58, 83.922, 134.801 by changing the saturation by 10% instead.


 58, 83.922,
134.801


 58, 83.922,
134.801


 100, 83.922,
134.801


 48, 83.922,
134.801


 78, 83.922,
134.801

 38, 83.922,
134.801

 88, 83.922,
134.801

 28, 83.922,
134.801

 98, 83.922,
134.801

 18, 83.922,
134.801

 8, 83.922, 134.801

 0, 83.922, 134.801

■ 58, 83.922,
134.801

■ 58, 83.922,
134.801

■ 58, 83.832,
134.844

■ 58, 80.583,
134.736

■ 59, 75.620,
134.848

■ 59, 68.823,
135.274

■ 60, 60.608,
135.892

■ 61, 51.395,
136.591

■ 61, 41.530,
137.296

■ 63, 31.282,
137.961

■ 64, 20.850,

138.566

■ 65, 10.384,
139.109

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



58, 83.922, 134.801



33, 83.427, 321.658

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58, 83.922, 134.801



58, 83.922, 184.801



58, 83.922, 314.801



58, 83.922, 4.801

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



58, 83.832, 134.844



79, 38.573, 137.925



56, 61.292, 89.462



41, 26.231, 137.668



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



58, 83.832, 134.844



74, 101.720, 135.001



58, 74.136, 141.886



34, 5.918, 139.146



52, 77.472, 134.764



4, 9.233, 140.041

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



33, 83.427, 321.658



43, 101.063, 321.544



36, 65.085, 345.892



32, 5.947, 319.947



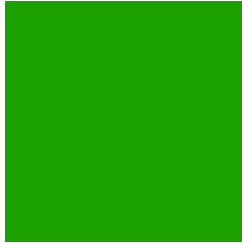
30, 77.164, 321.713



1, 9.070, 318.233

Previews

White Background



This preview shows how the CIELCh color 58, 83.922, 134.801 looks on a white background.

Color Contrast Check

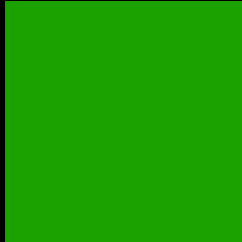
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 58, 83.922, 134.801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

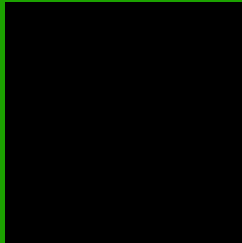
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 58, 83.922, 134.801

Background



This preview shows how black text looks on a background with the CIELCh color 58, 83.922, 134.801.



This preview shows how white text looks on a background with the CIELCh color 58, 83.922, 134.801.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color
58, 83.996, 134.868

Protanopia
58, 62.268, 95.422

Deuteranopia
57, 54.922, 82.045



Tritanopia
58, 24.535, 213.713

Trichromacy



Original Color
58, 83.996, 134.868



Protanomaly
56, 66.765, 117.229



Deuteranomaly
56, 59.532, 112.592



Tritanomaly
57, 44.762, 155.499

Monochromacy



Original Color
58, 83.996, 134.868



Achromatopsia
44, 0.006, 296.813



Achromatomaly
47, 38.935, 136.962

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 83.922, 134.801 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(28, 162, 0)` looks like.

```
.text, #text, p{  
    color:rgb(28, 162, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(28, 162, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 162, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 83.922, 134.801 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(28, 162, 0) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(28, 162, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(28, 162, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 162, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 162, 0);  
box-shadow:4px 4px 4px 4px rgb(28, 162, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 58, 83.922, 134.801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 162, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(28, 162,  
0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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